

CNV-2003 Materials - Sales view with sales long text

Status	Approved
Owner	LIU-ext, Ekawati
Stakeholders	

Purpose

The purpose of this document is to define the data conversion approach to create Materials - Sales view with sales long text in S/4HANA.

Sales View is a part of the Material Master data that defines how a material is sold to customers. It's essential for creating sales orders, quotations, and other sales documents within the Sales and Distribution (SD) module. The Sales View includes information like sales organization, distribution channel, delivering plant, tax information, and sales-related text.

This conversion aims to migrate active and relevant Materials - Sales view with sales long text records from existing ECC systems into S/4HANA by applying required transformation logic using Syniti as the data migration and transformation platform. The converted records will be loaded into the target S/4HANA system using standard SAP mechanisms such as IDOCs, BAPIs, or direct table loads where applicable.

Conversion Scope

The scope of this document covers the approach for converting active Material Master Sales View including the sales long text from Legacy Source Systems into S/4HANA following the Materials - Sales view with sales long text Master Data Design Standard: DD-FUN-050 Master Data Standard_2003-Materials - Sales view with sales long text.

From the current system landscape, Materials - Sales view with sales long text exist in both legacy systems - PF2 and WP2. Harmonization and validation are required to ensure the accurate and consolidated data in S/4HANA. While PF2 and WP2 serve as source systems, a mapping and transformation logic will be necessary to produce properly formatted load templates in line with the target design.

The data from legacy system includes:

1. Material Basic Data View is migrated as per CNV-2019 Materials - Basic Data View.
2. The Sales Organization and Distribution Channel for Materials - Sales View with Sales Long Text is within the scope of S/4HANA.
3. Flag for deletion at distribution chain/ sales organization level (MVKE-LVORM), Material Master Sales View is in the scope if:
 - * No flag for deletion
 - * With flag for deletion, but have sales transaction in the last 4 years for the sales organization in scope

20260227-Eka: the following are updated in this Conversion Specs:

1. Refer to CR0279 - Update Conversion Specs to remove mention of CUI System
2. DCT-MLAN: remove pre-population
3. Transformation:
 - a. As the pre-population is removed from DCT-MLAN, default tax code to 1 (taxable) for combination Material / Country not in ECC.
 - b. Distribution Channel based on sales organization country instead of plant country
4. Delete Cleansing Report - Material Sales Text for all language

20260420-Eka: Refer to CR0455 - L2C CNV-3003 Distribution channel logic enhancement: Update this Conversion Specs Distribution Channel logic to follow CNV-3003

List of source systems and approximate number of records

Source	Scope	Source Approx No. of Records	Target System	Target Approx No. of Records
PF2	Materials - Sales view with sales long text	50,000	S/4HANA ROW/ China- CUI	50,000
WP2	Materials - Sales view with sales long text	90,000	S/4HANA ROW/ China- CUI	90,000

Additional Information

Multi-language Requirement

N/A

Document Management

N/A

Legal Requirement

N/A

Special Requirements

Due to compliance requirement, there will be one SAP instance for Rest of the World (ROW) and one for China ~~and one for CU~~. For Materials - Sales view with sales long text, the same data will be created in all 2 SAP instances as it is Tier 1 object with central data governance and maintenance rule.

Target Design

Materials - Sales View with Sales Long Text Data strictly adheres to the Master Data Standard. The complete information of the key fields that hold the Materials - Sales View with Sales Long Text information follows the Master Data Standard document.

The technical design of the target for this conversion approach.

Table	Field	Data Element	Field Description	Data Type	Length	Requirement ZDIR	Requirement ZIND	Requirement ZSER	Requirement ZLEI	Requirement NLAG
MVKE	MATNR	MATNR	Material	CHAR	40	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
MVKE	VKORG	VKORG	Sales Organization	CHAR	4	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
MVKE	VTWEG	VTWEG	Distribution Channel	CHAR	2	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
MVKE	LVORM	LVOVK	DF distr. chain lvl	CHAR	1	Conditional	Conditional	Conditional	Conditional	Conditional
MVKE	VMSTA	VMSTA	DChain-spec. status	CHAR	2	Conditional	Conditional	Conditional	Conditional	Conditional
MVKE	VMSTD	VMSTD	Valid from	DATS	8	Conditional	Conditional	Conditional	Conditional	Conditional
MVKE	AUMNG	MINAU	Minimum order qty	QUAN	13	Conditional	Conditional	Conditional	Conditional	Not Used
MVKE	LFMNG	MINLF	Minimum Delivery Qty	QUAN	13	Conditional	Conditional	Not Used	Conditional	Not Used
MVKE	EFMNG	MINEF	Min. MtO quantity	QUAN	13	Conditional	Conditional	Not Used	Conditional	Not Used
MVKE	SCMNG	SCHRT	Delivery unit	QUAN	13	Conditional	Conditional	Not Used	Conditional	Not Used
MVKE	SCHME	SCHME	Unit Of Measure of Delivery Unit	UNIT	3	Conditional	Conditional	Not Used	Conditional	Not Used
MVKE	VRKME	VRKME	Sales Unit	UNIT	3	Conditional	Conditional	Conditional	Conditional	Conditional
MVKE	MTPOS	MTPOS	Item Category Group	CHAR	4	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
MVKE	DWERK	DWERK_EXT	Delivering Plant	CHAR	4	Conditional	Conditional	Conditional	Not Used	Not Used
MVKE	PRODH	PRODH_D	Product Hierarchy	CHAR	18	Conditional	Not Used	Not Used	Not Used	Not Used
MVKE	KONDM	KONDM	Material Price Grp	CHAR	2	Conditional	Conditional	Conditional	Conditional	Conditional
MVKE	KTGRM	KTGRM	Acct Assmt Grp Mat.	CHAR	2	Conditional	Conditional	Conditional	Conditional	Conditional
MVKE	MVGR2	MVGR2	Material Group 2	CHAR	3	Conditional	Not Used	Not Used	Not Used	Not Used
MVKE	MVGR3	MVGR3	Material Group 3	CHAR	3	Conditional	Not Used	Not Used	Not Used	Not Used
MVKE	MVGR4	MVGR4	Material Group 4	CHAR	3	Conditional	Not Used	Not Used	Not Used	Not Used
MVKE	RDPRF	RDPRF	Rounding Profile	CHAR	4	Conditional	Not Used	Not Used	Not Used	Not Used
MVKE	MEGRU	MEGRU	Unit of Measure Group	CHAR	4	Conditional	Not Used	Not Used	Not Used	Not Used
MVKE	VAVME	VAVME	Variable Sales Unit Not Allowed	CHAR	1	Conditional	Not Used	Not Used	Not Used	Not Used
MLAN	MATNR	MATNR	Material Number	CHAR	40	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
MLAN	ALAND	ALAND	Departure Ctry /Reg.	CHAR	3	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
MLAN	TAXM1	TAKLM	Tax Classification 1	CHAR	1	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
MLAN	TAXM2	TAKLM	Tax Classification 2	CHAR	1	Conditional	Conditional	Conditional	Conditional	Conditional
MLAN	TAXM3	TAKLM	Tax Classification 3	CHAR	1	Conditional	Conditional	Conditional	Conditional	Conditional
MLAN	TAXM4	TAKLM	Tax Classification 4	CHAR	1	Conditional	Conditional	Conditional	Conditional	Conditional

MLAN	TAXM5	TAKLM	Tax Classification 5	CHAR	1	Conditional	Conditional	Conditional	Conditional	Conditional
MLAN	TAXM6	TAKLM	Tax Classification 6	CHAR	1	Conditional	Conditional	Conditional	Conditional	Conditional
MLAN	TAXM7	TAKLM	Tax Classification 7	CHAR	1	Conditional	Conditional	Conditional	Conditional	Conditional
MLAN	TAXM8	TAKLM	Tax Classification 8	CHAR	1	Conditional	Conditional	Conditional	Conditional	Conditional
MLAN	TAXM9	TAKLM	Tax Classification 9	CHAR	1	Conditional	Conditional	Conditional	Conditional	Conditional
STXH	TDOBJE CT	TDOBJECT	Text object	CHAR	10	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
STXH	TDNAME	TDOBNAME	Text Name	CHAR	70	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
STXH	TDID	TDID	Text ID	CHAR	4	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
STXH	TDSPR AS	SPRAS	Language Key	LANG	1	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Function Module	Long Text		Text Details/ Long Text	CHAR		Mandatory	Mandatory	Mandatory	Mandatory	Mandatory

Data Cleansing

All data cleansing should take place in the data source system as defined in this document, unless system limitations prevent it.

Materials - Sales view with sales long text

ALL Data Cleansing should be after Relevancy Rule

ID	Criticality	Error Message /Report Description	Rule	Output	Source System
2003-001	C1	Duplicate Data by Distribution Channel	For selected material based on relevancy rule, where it has same sales organization with multiple distribution channel: include in the report if any value in the Target Design fields are different Exclude the following in the duplication logic: PRODH - will not be used, as product hierarchy will be mapped from WRKST (basic material) or MATKL (material group) MVGR2 - re: rule from PRODH MVGR3 - re: rule from PRODH MVGR4 - re: rule from PRODH	Source System/ GBU from S/4 Sales Organization/ Same as per DCT Template Business to copy paste from this report to DCT template and this data to be excluded in the Extraction and Transformation.	PF2/ WP2
2003-002	C1	The data from legacy system with distribution chain Flag for deletion	Flag for deletion at distribution chain/ sales organization level (MVKE-LVORM) <> Blank: 1. Not included in CNV-2019 2. Have sales transaction in the last 4 years for the material sales organization and distribution channel → Got ALL sales documents, where VAPMA-VKORG = Sales Organization in scope and VAPMA-AUDAT = last 4 years and VAPMA-MATNR = Material from point #1 For sales transaction in the last 4 years, refer to logic from CR0455	Source System/ Material No./ Material Description/ Sales Organization/ Sales Organization Name/ Distribution Channel/ Distribution Channel Name/ Flag for deletion at client level/ Flag for deletion at distribution chain level/ GBU from Material Profit Centre/ GBU from Material Profit Centre - Description	PF2/ WP2
2003-003	C1	Material with distribution-chain material status	Cross-distribution-chain material status (MARA-MSTAV) OR Distribution-chain-specific material status (MVKE-VMSTA) is NOT Blank or NOT 63 (Available for Sale)	Source System/ Material No./ Material Description/ Sales Organization/ Sales Organization Name/ Distribution Channel/ Distribution Channel Name/ Cross-distribution-chain material status/ Cross-distribution-chain material status description/ Distribution-chain-specific material status/Distribution-chain-specific material status description/ GBU from Material Profit Centre/ GBU from Material Profit Centre - Description	PF2/ WP2
2003-004	C1	Material GBU not the same with Sales Organization GBU	Refer to the GBU determination from Material Master profit centre in Transformation Rule	Source System/ Material No./ Material Description/ Sales Organization/ Sales Organization Name/ Distribution Channel/ Distribution Channel Name/ GBU from Material Profit Centre/ GBU from Material Profit Centre - Description/ GBU from S /4 Material Sales Organization	PF2/ WP2

2003-005	C1	Active Material but not used in the existing sales area	1. Material flag for deletion (MARA-LVORM and MVKE-LVORM) = Blank AND Material Cross Distribution Chain status and Distribution Chain specific status = 63 (Available for Sales) or Blank BUT do not have sales transaction in the last 4 years for the sales organization in scope. → Get ALL sales documents, where VAPMA-VKORG = Sales Organization in scope and VAPMA-AUDAT = last 4 years and VAPMA-MATNR = Material from point #1. IF not available, get the last sales document no. and date. For sales transaction in the last 4 years, refer to logic from CR0455	Source System/ Material No./ Material Description/ Sales Organization/ Sales Organization Name/ Distribution Channel/ Distribution Channel Name/ Last Sales Document No. and Date/ CBU from Material Profit Centre/ CBU from Material Profit Centre/ Description	PF2/ WP2
2003-006	C1	Material with Sales View but map to S/4 material type without sales view	Material flag for deletion (MARA-LVORM and MVKE-LVORM) = Blank AND Material Cross Distribution Chain status and Distribution Chain specific status = 63 (Available for Sales) or Blank BUT the S/4 material type for it does not have sales view	Source System/ Material No./ Material Description/ Sales Organization/ Sales Organization Name/ Distribution Channel/ Distribution Channel Name/ S/4 Material Type without Sales View/ CBU from Material Profit Centre/ CBU from Material Profit Centre/ Description	PF2/ WP2
2003-007	C4	Material Sales Text for all language	Get Sales Text for all material in scope by language key	Source System/ Material No./ Material Description/ Sales Organization/ Sales Organization Name/ Distribution Channel/ Distribution Channel Name/ Language Key/ Sales Text	PF2/ WP2

Conversion Process

The high-level process is represented by the diagram below:

The ETL (Extract, Transform, Load) process is a structured approach to data migration and management, ensuring high-quality data is seamlessly transferred across systems. Here's a breakdown of its key components:

1. Extraction

The process begins with extracting metadata and raw data from source systems, such as Syensqo ECC system WP2 and PF2. The extracted data is then staged for transformation.

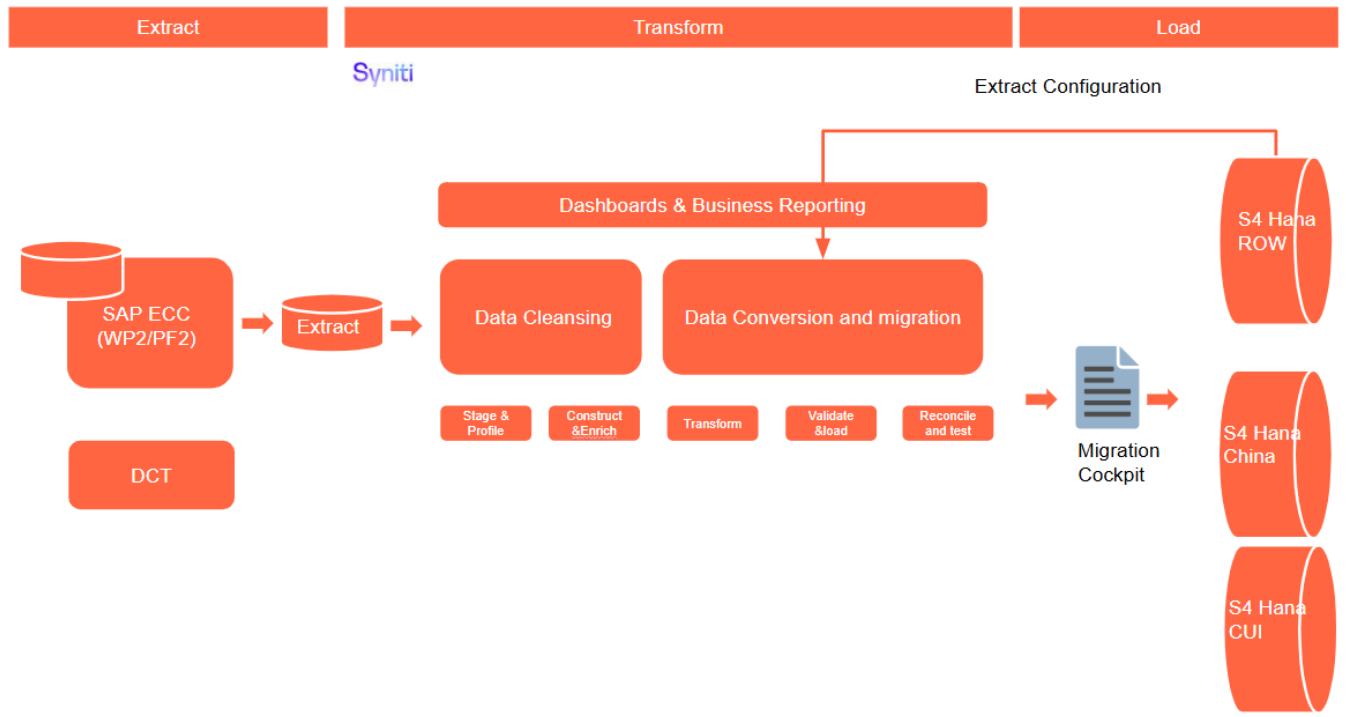
2. Transformation

Once extracted, the data undergoes cleansing, consolidation, and governance. This step ensures data integrity, consistency, and compliance with business rules. The transformation process includes:

- Data validation to remove inconsistencies.
- Standardization to align formats across datasets.
- Business rule application to refine data for operational use.

3. Loading

The transformed data is then loaded into the target S/4HANA system.



Data Privacy and Sensitivity

N/A

Extraction

Extract data from a source into Syniti Migrate for SAP ROW and SAP China relevant entities. There are 2 possibilities:

1. The data exists. Syniti Migrate connects to the source and loads the data into Syniti Migrate. There are 3 methods:
 - a. Perform full data extraction from relevant tables in the source system(s).
 - b. Perform extraction through the application layer.
 - c. Only if Syniti Migrate cannot connect to the source, data is loaded to the repository from the provided source system extract/report.
2. The data does not exist (or cannot be converted from its current state). The data is manually collected by the business directly in Syniti Migrate. This is to be conducted using DCT (Data Collection Template) in Syniti Migrate

The agreed Relevancy criteria is applied to the extracted records to identify the records that are applicable for the Target loads.

~~For SAP CUI related entities, it will be alternative extraction process and the data will be stored in approved tools.~~

Extraction Run Sheet

Req #	Requirement Description	Team Responsible
2003-001	- Identify the source systems and databases involved. - Define the data objects (tables, fields and records) to be extracted. - Establish business rules for data selection.	L2C Data team
2003-002	- Specify the extraction approach (full, incremental, or delta extraction). - Determine the tools and technologies used. - Define data filtering criteria to exclude irrelevant records.	Syniti
2003-003	- Establish execution timelines and batch processing schedules. - Assign responsibilities for extraction monitoring. - Document dependencies on other migration tasks.	Syniti
2003-004	- Define error handling mechanisms for extraction failures.	Syniti

Selection Screen

Selection Ref Screen	Parameter Name	Selection Type	Requirement	Value to be entered/set
	Sales Organization	Multiple	Valid sales organization for extraction	In-scope Sales Organization

Data Collection Template (DCT)

Target Ready Data Collection Template will be created for Materials - Sales view with sales long text data with exception of some fields which require transformation as mentioned in the transformation rule.

Materials - Sales view with sales long text - FULL DCT

DCT for when data not available in ECC, e.g. service material master data (table: ASMD), service material for WP2/ PF2 billing via Finance to S/4 billing via SD, new sales organization in scope with legacy system non-ECC, Duplicate Data by Distribution Channel, etc.

Business to manually fill-up/ update all required fields.

Note: all rules specified below should be documented as a tooltip in the DC Page.

1. Rule as per Target Design for material type, e.g. Mandatory, Conditional, Not Used
2. Rule as per Table below

Field Name	Field Description	Data Type	Length	Requirements	Rule
MVKE - Sales Data for Material					
MATNR	Material	CHAR	40	Mandatory	Material number as per uploaded via CNV-2019 Materials - Basic Data Views
VKORG	Sales Organization	CHAR	4	Mandatory	List from Sales Organization in scope with the correct GBU
VTWEG	Distribution Channel	CHAR	2	Mandatory	10 - Export, when plant country different from ship-to party country; and material type as per value mapping MAP_MTART-VTWEG 20 - Domestic, when plant country same as ship-to party country; and material type as per value mapping MAP_MTART-VTWEG 30 - Interco, if material type as per value mapping MAP_MTART-VTWEG
LVORM	DF distr. chain lvl	CHAR	1	Conditional	Set deletion flag for the material if this product cannot be sold, ordered, or delivered at the distribution chain level
VMSTA	DChain-spec. status	CHAR	2	Conditional	List from available Distribution Chain Specific Material Status (MAP_VMSTA, only S/4 section)
VMSTD	Valid from	DATS	8	Conditional	Date when Distribution Chain Specific Material Status becomes active.
AUMNG	Minimum order qty	QUAN	13	Conditional	Enter the required minimum quantity to sale to the customer. Fill only if a minimum quantity is relevant for the material in the sales order, if not leave blank.
LFMNG	Minimum Delivery Qty	QUAN	13	Conditional	Enter the required minimum quantity to deliver to the customer. Fill only if a minimum quantity is relevant for the material in the delivery, if not leave blank.
EFMNG	Min. MtO quantity	QUAN	13	Conditional	Enter the required minimum quantity for a sales order to trigger production order creation. Fill only if a minimum quantity is relevant for the material in the make to order, if not leave blank.
SCMNG	Delivery unit	QUAN	13	Conditional	Enter a quantity if material must be delivered in a specific quantity in outbound processes. When creating sales orders and when deliveries are processed, the system checks if the requested quantity aligns with the delivery unit. The system enforces rounding: only quantities that are full multiples of the delivery unit can be delivered. Example: If the delivery unit is set to 12 bottles, the system won't allow delivery for 13 or 25 bottles; only multiples like 12, 24, 36, will pass, enforcing streamlined warehouse and transport operations
SCHME	Unit Of Measure of Delivery Unit	UNIT	3	Conditional	Select the relevant unit of measure of delivery unit. This field pairs with the "Delivery Unit" number, indicating what the delivery unit actually represents—such as boxes, cartons, pallets, or bottles List available Unit of Measure (MAP_MEINS only the S/4 section)

VRKME	Sales Unit	UNIT	3	Conditional	<p>Select the relevant sales unit applicable if material is sale in a different unit as the base unit of measure during sales processing. The sales unit must be compatible with the units defined in the material master.</p> <p>Example: If a product's sales unit is set to "Box," customers will always order in "boxes" and the system will convert this to the base unit (e.g., 60 individual pieces if 1 box = 12 pieces) for warehouse and delivery processes</p> <p>List available Unit of Measure (MAP_MEINS only the S/4 section)</p>
MTPOS	Item Category Group	CHAR	4	Mandatory	<p>The general item category values applicable are:</p> <ul style="list-style-type: none"> - If material type ZDIR, then 'NORM Standard Item' or 'BANS Third Party Item' or 'ZAN2 Auxiliary items' or 'ZAN3 Distress/Scrap/Raw' or 'ZAN4 Bonded Warehouse' item category group can be selected - If material type ZIND then 'NORM Standard Item' item category group can be selected - If material type ZSER and does not require a delivery note, then 'LEIS Service w/o Delivery' item category group can be selected - If material type ZSER and a delivery note is required, then 'DIEN Service w/ Delivery' item category group can be selected - If material type ZLEI then 'LEIH Returnable Packaging' item category group can be selected - If material type NLAG, then 'NLAG Non Stock Item/Test Panel' item category group can be selected
DWERK	Delivering Plant	CHAR	4	Conditional	<p>Select the delivering plant relevant for the material as the source of goods for delivery processing and stock updates, only if the material requires to have a specific delivering source. This plant will be responsible for delivering materials to the customer.</p> <p>When selecting delivering plant data in the Material Sales View, the delivering plant must be authorized for the selected Sales Organization and Distribution Channel in the system configuration.</p> <p>List Plant in-scope assigned to the Sales Organization and Distribution Channel above.</p>
PRODH	Product Hierarchy	CHAR	18	Conditional	<p>Enter the product hierarchy relevant for the material. Each product hierarchy is made up of levels, with each level representing a more specific characteristic or grouping—like Category > Subcategory > Product Type. Only material with material type ZDIR will be relevant for Product Hierarchy.</p> <p>Refer to value mapping MAP_PRODH (only the S/4 section)</p>
KONDM	Material Price Grp	CHAR	2	Conditional	<p>Enter the material pricing group relevant for the material. This field is used to bundle materials into pricing groups, so pricing conditions such as discounts, surcharges, or rebates can be applied collectively to all materials within the group.</p> <p>List Material Price Group MAP_KONDM (only the S/4 section)</p>
KTGRM	Acct Assmt Grp Mat.	CHAR	2	Conditional	<p>Enter an account assignment group relevant for the material. This field is used to group materials by their accounting nature, such as finished goods, trading goods, services, or packaging materials. Each group is linked to specific General Ledger (G/L) accounts for revenue posting.</p> <p>List Account Assignment Group for Material MAP_KTGRM (only the S/4 section)</p>
MVGR2	Material Group 2	CHAR	3	Conditional	<p>Part of the product hierarchy relevant for the material. Only for material type ZDIR and Specialty Polymer material.</p> <p>Refer to value mapping MAP_PRODH (only the S/4 section)</p>
MVGR3	Material Group 3	CHAR	3	Conditional	<p>Part of the product hierarchy relevant for the material. Only for material type ZDIR and Novecare material.</p> <p>Refer to value mapping MAP_PRODH (only the S/4 section)</p>
MVGR4	Material Group 4	CHAR	3	Conditional	<p>Part of the product hierarchy relevant for the material. Only for material type ZDIR and Technology Solution material.</p> <p>Refer to value mapping MAP_PRODH (only the S/4 section)</p>
RDPRF	Rounding Profile	CHAR	4	Conditional	<p>Enter the rounding profile relevant for the material, only used to round up or down quantities for consistency in delivery process.</p> <p>Only material type ZDIR will be relevant for rounding profile. Automatically round up sales order quantities to convenient deliverable units.</p> <p>Example: A customer orders 19.5 kg. Since the warehouse can't break a pack, SAP uses the rounding profile to round the order up to 20 kg, so only whole packs are delivered.</p>
MEGRU	Unit of Measure Group	CHAR	4	Conditional	<p>Unit of measure groups (UoM groups) are groups of one or more units of measure that you either allow as units of measure for a product or exclude from the set of possible UoMs for the product. You can assign UoM groups for the products of both the delivering and receiving locations.</p> <p>Only material type ZDIR will be relevant for unit of measure group.</p>
VAVME	Variable Sales Unit Not Allowed	CHAR	1	Conditional	<p>Check the box to restrict sales orders to only use the sales unit of measure specified in the material master for the relevant sales organization and distribution channel.</p> <p>If checked for a material, SAP ensures that sales orders, deliveries, and invoices for that material can only use the defined sales unit.</p> <p>Only material type - ZDIR will be relevant</p> <p>Example: A company sells wine bottles only in full cases (12 bottles per case). On the material master, the sales unit is set as "case", and the "Variable Sales Unit Not Allowed" field is checked. This means sales orders can only be created in cases — users cannot select "bottle" as the sales unit, nor can they order partial cases or use other UoMs like "pack" or "box"</p>
STXH - STXD SAPscript text file header					

TDSPRAS	Language Key	LANG	1	Mandatory	<p>Key language identifies the language associated in which the sales text is maintained and stored in the system. Only languages defined in table T002 (SAP language codes) are valid values ensuring consistency and validity of language data. - Default language will be English</p> <p>- Based on employee language coverage : The text should be maintained in 4 core languages - English(EN), French(FR), Italian(IT) & Mandarin(ZH). Additional languages available in which text can be maintained are Portuguese(PT), German(DE), Spanish (ES).</p> <p>- Customer languages should also be maintained as basis languages maintained in Business partner - Customer master data. Based on current languages used to maintained material sales text below languages are possible: FR - French EN - English ES - Spanish DE - German IT - Italian NL - Dutch PT - Portuguese ZH-Mandarin PL- Polish JA- Japanese KO- Korean FI- Finnish BG- Bulgarian RU-Russian TH- Thai ZF- Chinese traditional Z9 - Brazil Portuguese SK - Slovak AR-Arabic EL-Greek CS-Czecz AF-Afrikaans HE-Hebrew HU-Hungarian ID-Indonesian KK-Kazakh SL-Slovenian SB-Serbian SV-Swedish ET-Estonian MS-Malay TR-Turkish</p>
Long Text	Text Details/ Long Text	CHAR		Mandatory	Sales long text for material master

Materials - Sales view with sales long text - MLAN DCT

DCT for when Tax data not available in ECC, e.g. service material master data (table: ASMD), service material for WP2/ PF2 billing via Finance to S/4 billing via SD, new sales organization in scope with legacy system non-ECC, Duplicate Data by Distribution Channel, new plant assignment to sales organization in S/4HANA. DCT for when data not available in ECC, etc.

Refer to Transformation Rule for MLAN-ALAND:

1. Get all S/4 Plants assigned to the S/4 Sales Organization

2. Get Plant Country (T001W LAND1) for all Plants from #1

3. IF Plant Country = to existing MLAN-ALAND: COPY

4. IF Plant Country <=> to existing MLAN-ALAND: due to new plant assignment in S/4, Business to collect the information and update the respective DGT.

Field Name	Field Description	Data Type	Length	Requirements	Rule
MLAN - Tax Classification for Material					
MATNR	Material Number	CHAR	40	Mandatory	Material Number
MAKTX	Material Description	CHAR	40	Display only	Link to Material Description table: MAKT
ALAND	Departure Ctry/Reg.	CHAR	3	Mandatory	Material Plant Country for which the Tax are required
TAXM1	Tax Classification 1	CHAR	1	Mandatory	Fill the correct value from available list
TAXM2	Tax Classification 2	CHAR	1	Conditional	If required, fill the correct value from available list
TAXM3	Tax Classification 3	CHAR	1	Conditional	If required, fill the correct value from available list
TAXM4	Tax Classification 4	CHAR	1	Conditional	If required, fill the correct value from available list
TAXM5	Tax Classification 5	CHAR	1	Conditional	If required, fill the correct value from available list
TAXM6	Tax Classification 6	CHAR	1	Conditional	If required, fill the correct value from available list
TAXM7	Tax Classification 7	CHAR	1	Conditional	If required, fill the correct value from available list
TAXM8	Tax Classification 8	CHAR	1	Conditional	If required, fill the correct value from available list

TAXM9	Tax Classification 9	CHAR	1	Conditional	If required, fill the correct value from available list
	GBU				GBU from Material Profit Centre

Extraction Dependencies

Item #	Step Description	Team Responsible
1	Source System Availability <ul style="list-style-type: none"> Ensure that the source database or application is accessible. Confirm that necessary credentials and permissions are granted 	Syensqo IT
2	Data Structure <ul style="list-style-type: none"> Identify relationships between tables, views, and stored procedures. 	Syniti
3	Referential Integrity <ul style="list-style-type: none"> Ensure dependent records are extracted together. 	Syniti
4	Extraction Methodology <ul style="list-style-type: none"> Define whether extraction is full, incremental, or delta-based. Establish batch processing schedules for large datasets. 	Syniti
5	Performance and Scalability Considerations <ul style="list-style-type: none"> Optimize extraction queries to prevent system overload. Ensure network bandwidth supports data transfer volumes. 	Syniti
6	Security and Compliance <ul style="list-style-type: none"> Adhere to regulatory standards for sensitive information if applicable 	Syniti

Transformation

The Target fields are mapped to the applicable Legacy field that will be its source, this is a 3-way activity involving the Business, Functional team and Data team. This identifies the transformation activity required to allow Syniti Migrate to make the data Target ready:

- Perform value mapping and data transformation rules.
 - Legacy values are mapped to the to-be values (this could include a default value)
 - Values are transformed according to the rules defined in Syniti Migrate
- Prepare target-ready data in the structure and format that is required for loading via prescribed Load Tool. This step also produces the load data ready for business to perform Pre-load Data Validation

Transformation Run Sheet

Item #	Step Description	Team Responsible
1	Identify target S/4HANA fields and determine applicable legacy source fields from ECC system (PF2/ WP2).	Functional Team (L2C) + Data Team (L2C)
2	Map legacy field values to S/4HANA target values (including field-level mapping and technical names)	Data Team (L2C), Data Team (Syniti)
3	Define value mapping rules for fields requiring standardization or harmonization across the source systems	Functional Team (L2C) + Data Team (L2C)
4	Identify and agree on default values where legacy data is incomplete or inconsistent	Business Team + Functional Team (L2C)
5	Configure transformation rules in Syniti Migrate	Data Team (Syniti)
6	Review transformation logic and mappings with Business for confirmation	Business Team + Functional Team (L2C)

7	Perform initial transformation run and generate draft target-ready dataset	Data Team (Syniti)
8	Review draft target-ready data for structure and completeness	Data Team (L2C), Functional Team (L2C)
9	Share transformed data with Business for Pre-load Validation	Business Team
10	Incorporate feedback from Business and refine mappings or transformation logic as needed	Data Team (L2C)
11	Finalize and approve transformed data as Target Ready Load File	Business + Functional (L2C) + Data Team (L2C)
12	Handover final file to Load Team or trigger the load via Syniti Load Workbench	Data Team (Syniti), Data Load Team

Transformation Rules ECC

Data Extraction Logic for Materials - Sales View with sales long text

1. Process by Source System

Perform the extraction steps from source system, i.e. WP2 and PF2.

2. Extract Materials - Sales View with sales long text - Data

Extract Materials - Sales View with sales long text from table - MVKE (Sales Data for Material).

3. Extract Materials - Sales View with sales long text - Tax Selection

For each material from table MVKE above; get the Country and Tax Classification from Tax Classification for Material (table - MLAN).

4. Extract Materials - Sales View with sales long text - Text Selection

For each item level from table MVKE above concatenate the material number (18 digit), sales organization (4 digit) and distribution channel (2 digit) and default text object = MVKE and Text ID - 0001; get the Text Name and Language from table - STXH (STXD SAPscript text file header).

Note: Text ID maybe maintained in multiple languages. To migrate for all languages.

5. Extract Materials - Sales View with sales long text - Text Details

For each Text Object, Text Name, Text ID and Language from table - STXH above, get the Text Details via function module: read_text.

6. S/4 Sales Organization is representing GBU.

Get GBU based on the Material Profit Centre (MARC-PRCTR).

6.1. If the material GBU are not the same with S/4 Sales Organization GBU; exclude the material from transformation, but add it to Cleansing report.

6.2. If multiple ECC Sales Organization merge into 1 S/4 Sales Organization; include in the transformation if the material GBU is the same as S/4 Sales Organization GBU. Else exclude and add to the Cleansing report.

6.3. If 1 ECC Sales Organization is split into multiple S/4 Sales Organization; transform the material to respective S/4 Sales Organization where material GBU same as S/4 Sales Organization GBU. Else exclude and add to the Cleansing report.

Following are the logic to find Material GBU:

WP2

	A	B	C	D	E	F	G	H	I	J	K	L
	Material	Plant	Plant Out of Scope in Ent Structure	Maintenance status	DF at plant level	Profit Center	PRCTR ID	Cd	Controlling Area	Profit Centre Group	Value Stream Codification	GBU
9753	77871	7510	#N/A	QEVBGD		0248-V0449	Z0280248-V0449	7424	Z028	7424-VPP37	PP	NOVECARE
9834	1831034	7510	#N/A	VBGDQ		0257-Z0449	Z0280257-Z0449	7424	Z028	7424-VON34	ON	NOVECARE
9911	42275	7510	#N/A	BGEVQD		0263-A0449	Z0280263-A0449	7424	Z028	7424-VAK32	AK	NOVECARE
77186	1912803	7513	#N/A	BVD		7418-I0450	Z0267418-I0450	7418	Z026	7418-VZR91	ZR	CBS (former NON REPARTI RHODIA)
77228	1912804	7513	#N/A	BVD		7418-I0450	Z0267418-I0450	7418	Z026	7418-VZR91	ZR	CBS (former NON REPARTI RHODIA)
77270	1912805	7513	#N/A	BVD		7418-I0450	Z0267418-I0450	7418	Z026	7418-VZR91	ZR	CBS (former NON REPARTI RHODIA)
77312	1912806	7513	#N/A	BVD		7418-I0450	Z0267418-I0450	7418	Z026	7418-VZR91	ZR	CBS (former NON REPARTI RHODIA)
77354	1912807	7513	#N/A	BVD		7418-I0450	Z0267418-I0450	7418	Z026	7418-VZR91	ZR	CBS (former NON REPARTI RHODIA)
77396	1912808	7513	#N/A	BVD		7418-I0450	Z0267418-I0450	7418	Z026	7418-VZR91	ZR	CBS (former NON REPARTI RHODIA)
77438	1912843	7513	#N/A	BVD		7418-I0450	Z0267418-I0450	7418	Z026	7418-VZR91	ZR	CBS (former NON REPARTI RHODIA)
77486	52401	7513	#N/A	VEBGDL		7418-I0534	Z0267418-I0534	7418	Z026	7418-VZS71	ZS	SILICA
77501	97361	7513	#N/A	VEDLBG		7418-I0534	Z0267418-I0534	7418	Z026	7418-VZS71	ZS	SILICA
78379	28900	7510	#N/A	EBVGLD		7424-I0378	Z0287424-I0378	7424	Z028	7424-VSL31	SL	SILICA
78389	46791	7510	#N/A	ELBVGD		7424-I0390	Z0287424-I0390	7424	Z028	7424-VEP31	EP	Engineering Plastics
78430	54536	7510	#N/A	DLVQGBSE		7424-I0390	Z0287424-I0390	7424	Z028	7424-VEP31	EP	Engineering Plastics
78481	72665	7510	#N/A	ELBVG		7424-I0390	Z0287424-I0390	7424	Z028	7424-VEP31	EP	Engineering Plastics
78492	77269	7510	#N/A	VGEB		7424-I0390	Z0287424-I0390	7424	Z028	7424-VEP31	EP	Engineering Plastics

1. Refer to CNV-2010 Materials - General Plant Data/ S.Loc Data for material type where profit centre will be required

2. Get Material, Plant, Maintenance Status, DF at plant level, Profit Centre (screenshot column: A, B, D, E, F) from MARC (Plant Data for Material), where flag for deletion/ MARC-LVORM = blank and Plant is in-scope.

3. Get the Company Code T001K-BUKRS (screenshot column: H) for the Plant (T001W-WERKS), where Valuation Area T001K-BWKEY = T001W-BWKEY

4. Get the Sales Organization in-scope TVKO-VKORG for Company Code TVKO-BUKRS in the list (from #3) and TVKWZ-VKORG for Plant in the list (from #2). Add another records/ lines if there are multiple Sales Organizations.

5. Get Controlling Area (screenshot column: I) for the Company Code from table: TKA02
6. Get Profit Centre ID (screenshot column: G): concatenate Controlling Area (from #5) and Profit Centre (from #2)
7. Get Profit Centre Group (screenshot column: J): VLOOKUP (Profit Centre ID,SETLEAF!ID:SETNAME,3,FALSE) from table: SETLEAF (from #B)
8. Get Value Stream Codification (screenshot column: K): digit 7 and 8 of Profit Centre Group (from #7)
9. Get GBU (screenshot column: L): VLOOKUP (Value Stream Codification,'GBU Lookup '!A:B,2,FALSE) - from #A.

Value	Rules
ZA	ACETOW
ZB	PEROXIDES
ZC	COATIS
ZD	SODA ASH
ZE	ECO SERVICES
ZF	FIBRAS
ZG	PLASTICS
ZH	SPECIAL CHEM
ZI	EMERGING BIOCHEMICALS
ZJ	TECHNOLOGY SOLUTIONS
ZK	COMPOSITES MATERIALS
ZL	SOLD ACTIVITIES (2003-2010)
ZM	SPECIALTY POLYMERS
ZN	NOVE CARE
ZO	AROMA PERFORMANCE
ZP	POLYAMIDE & INTERMEDIATES
ZQ	Oil & GAS
ZR	CBS (former NON REPARTI RHODIA)
ZS	SILICA
ZT	RARE EARTH SYSTEMS
ZY	ENERGY
AC	TECHNOLOGY SOLUTIONS
AE	NOVE CARE
AF	COMPOSITES MATERIALS
AK	NOVE CARE
AL	Eco Services
AM	Rare Earth Systems
AO	TECHNOLOGY SOLUTIONS
AP	UNALLOCATED RHODIA
AY	NOVE CARE
BI	COATIS
BL	TECHNOLOGY SOLUTIONS
CA	COMPOSITES MATERIALS
CH	NOVE CARE
CM	NOVE CARE
CX	TECHNOLOGY SOLUTIONS
CY	AROMA PERFORMANCE
DP	AROMA PERFORMANCE
DT	TECHNOLOGY SOLUTIONS
EP	Engineering Plastics

A. GBU Lookup

a. File: <https://wiki.syensqo.com/display/CostFAQ/Rules++Material+Profit+Center>

b. Refer to: ZY - Is used to define a specific GBU code as follows (the currently active GBU's are the ones highlighted):

•ZJ for a VS under GBU TECHNOLOGY SOLUTIONS
•ZK for a VS under GBU COMPOSITES MATERIALS
•ZL for a VS under GBU SOLD ACTIVITIES (2003-2010)
•ZM for a VS under GBU SPECIALTY POLYMERS
•ZN for a VS under GBU NOVE CARE
•ZO for a VS under GBU AROMA PERFORMANCE
•ZQ for a VS under GBU Oil & Gas
•ZR for a VS under GBU CBS (former NON REPARTI RHODIA)

- c. Open the link to: [WP2 Codification Value Streams Master \(OBSOLETE\)](#)
- d. Download the file and go to worksheet: 1. Liste VS
- e. Get "Value Stream Codification" code from column V and GBU description from column A
- f. Combine #b and #e; then remove duplicate

	A	B	C	D	E	F	G	H	I	J	K
	Set class	Organizational Unit	Set Name	Set line	SIGN	Option	From value	To value	ID	Set line	Set Name
2	0106	Z006	3919-VZB01	1	I	EQ	3919-11183	3919-11183	Z0063919-11183	1	3919-VZB01
3	0106	Z006	3919-VZN01	1	I	EQ	3919-10449	3919-10449	Z0063919-10449	1	3919-VZN01
4	0106	Z006	3919-VZN92	1	I	EQ	3919-11149	3919-11149	Z0063919-11149	1	3919-VZN92
5	0106	Z006	3919-VZO98	1	I	EQ	3919-11142	3919-11142	Z0063919-11142	1	3919-VZO98
6	0106	Z006	3919-VZR91	1	I	EQ	3919-10450	3919-10450	Z0063919-10450	1	3919-VZR91
7	0106	Z006	3919-VZR91	2	I	EQ	3919-11148	3919-11148	Z0063919-11148	2	3919-VZR91
8	0106	Z006	3919-VZS01	1	I	EQ	3919-10534	3919-10534	Z0063919-10534	1	3919-VZS01
9	0106	Z006	3972-VZA01	1	I	EQ	3972-11037	3972-11037	Z0063972-11037	1	3972-VZA01
10	0106	Z006	3972-VZC90	1	I	EQ	3972-11141	3972-11141	Z0063972-11141	1	3972-VZC90
11	0106	Z006	3972-VZN92	1	I	EQ	3972-11149	3972-11149	Z0063972-11149	1	3972-VZN92
12	0106	Z006	3972-VZP56	1	I	EQ	3972-11156	3972-11156	Z0063972-11156	1	3972-VZP56
13	0106	Z006	3972-VZP95	1	I	EQ	3972-11034	3972-11034	Z0063972-11034	1	3972-VZP95
14	0106	Z006	3972-VZR91	1	I	EQ	3972-10450	3972-10450	Z0063972-10450	1	3972-VZR91
15	0106	Z006	3972-VZR91	2	I	EQ	3972-11148	3972-11148	Z0063972-11148	3	3972-VZR91
16	0106	Z006	3972-VZR91	3	I	EQ	3972-10569	3972-10569	Z0063972-10569	2	3972-VZR91

B. Get all records from table: SETLEAF, where SETLEAF-SETCLASS = 0106 (Profit Centre Group)

- o Insert ID (screenshot column: I): concatenate Organizational Unit (screenshot column: B) and From Value (screenshot column: G)
- o Copy Set Name (screenshot column: C) and paste to the last column (screenshot column: K)

PF2

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
	Material	Plant	Plant in scope	CCd	Profit Center	Profit Centre name	DF at plant level	Division	Plant Div ID	Business	Division	Sub BU	BU	Division (PCh)	Busss Area Div = Busss Area PCh?	Sub BU	BU	Final BU	BU Description
18	10360	901B	901B	5846	F10RB0001	310 REB 2796E		PN	901BPN	5100	70	SPPOL	SP	10	OK			SP	SPECIAL POLY
20	10360	908B	908B	5846	F10RB0001	310 REB 2796E		PN	908BPN	5100	70	SPPOL	SP	10	OK			SP	SPECIAL POLY
21	10360	907B	907B	5846	F10RB0001	310 REB 2796E		PN	907BPN	5100	70	SPPOL	SP	10	OK			SP	SPECIAL POLY
22	10360	909B	909B	5846	F10RB0001	310 REB 2796E		PN	909BPN	5100	70	SPPOL	SP	10	OK			SP	SPECIAL POLY
23	10360	90EB	90EB	5846	F10RB0001	310 REB 2796E		PN	90EBPN	5100	70	SPPOL	SP	10	OK			SP	SPECIAL POLY
25	10360	DFA	DFA	5642	F10RB0001	310 REB 2796E		PN	DFAPN	5100	70	SPPOL	SP	10	OK			SP	SPECIAL POLY
27	10360	HUS	HUS	5846	F10RB0001	310 REB 2796E		PN	HUSPN	5100	70	SPPOL	SP	10	OK			SP	SPECIAL POLY
29	10360	SNA	SNA	5876	F10RB0001	310 REB 2796E		PN	SNAPN	5100	70	SPPOL	SP	10	OK			SP	SPECIAL POLY
31	10366	RSO	RSO	5642	F10RB0002	310 RBA 2186V		PM	RSOPM	5100	70	SPPOL	SP	10	OK			SP	SPECIAL POLY
34	10409	DFA	DFA	5642	F10RB0001	310 REB 2796E		PN	DFAPN	5100	70	SPPOL	SP	10	OK			SP	SPECIAL POLY
38	10895	91EN	91EN	5876	F45KB0002	345 KB 2127V		PV	91ENPV	5450	45	SPPOL	SP	45	ERR			SP	SPECIAL POLY
39	10895	901B	901B	5846	F45KB0002	345 KB 2127V		PV	901BPV	5450	45	SPPOL	SP	45	OK			SP	SPECIAL POLY
41	10895	9REB	9REB	5846	F45KB0002	345 KB 2127V		PV	9REBPV	5450	45	SPPOL	SP	45	OK			SP	SPECIAL POLY
42	10895	AISA	AISA	5782	F10RF0001	310 RFC 2444E		PV	AISAPV	5450	45	SPPOL	SP	10	ERR			SP	SPECIAL POLY
47	12069	RSO	RSO	5642	F10RB0002	310 RBA 2186V		PM	RSOPM	5100	70	SPPOL	SP	10	OK			SP	SPECIAL POLY
54	12335	DFA	DFA	5642	F10RB0001	310 REB 2796E		PN	DFAPN	5100	70	SPPOL	SP	10	OK			SP	SPECIAL POLY
71	13873	DFA	DFA	5642	F10RB0001	310 REB 2796E		PR	DFAPR	5100	70	SPPOL	SP	10	OK			SP	SPECIAL POLY

1. Refer to CNV-2010 Materials - General Plant Data/ S.Loc Data for material type where profit centre will be required
2. Get Material, Plant, Profit Centre, DF at plant level, (screenshot column: A, B, E, G) from MARC (Plant Data for Material), where flag for deletion/ MARC-LVORM = blank and Plant is in-scope.

3. Get the Company Code T001K-BUKRS (screenshot column: D) for the Plant (T001W-WERKS), where Valuation Area T001K-BWKEY = T001W-BWKEY
4. Get the Sales Organization in-scope TVKO-VKORG for Company Code TVKO-BUKRS in the list (from #3) and TVKWZ-VKORG for Plant in the list (from #2). Add another record/ line if there are multiple Sales Organizations.
5. Get Profit Centre Name CEPCT-KTEXT (screenshot column: F), where CEPCT-PRCTR = MARC-PRCTR and CEPCT-SPRAS = EN
6. Get Division MARA-SPART (screenshot column: H), where MARC-MATNR = MARA-MATNR and MARA-LVORM = blank.
7. Get Plant Div ID (screenshot column: I): concatenate Plant (from #2) and Division (from #5)
8. Get Business Area (screenshot column: J): VLOOKUP (Plant Div ID, T134G!C:D, 2, FALSE) from table: T134G (from #A)
9. Get Division (screenshot column: K): digit 2 and 3 of Business Area (from #8)
10. Get Sub Business Unit ZZR_REPO_DIV-ZZRSBU (screenshot column: L), where Division (from #9) = ZZR_REPO_DIV-ZZRDIV
11. Get Business Unit ZZR_REPO_SBU-ZZRSBU (screenshot column: M), where ZZR_REPO_DIV-ZZRSBU (from #10) = ZZR_REPO_SBU-ZZRSBU
12. Get Division (PCtr) (screenshot column: N): digit 2 and 3 of Profit Centre Name (from #5)
13. IF Business Area (screenshot column: J) = #N/A: get Sub BU ZZR_REPO_DIV-ZZRSBU (screenshot column: P), where Division (PCtr) (from #12) = ZZR_REPO_DIV-ZZRDIV
14. IF Business Area (screenshot column: J) = #N/A: get BU ZZR_REPO_SBU-ZZRSBU (screenshot column: Q), where ZZR_REPO_DIV-ZZRSBU (from #13) = ZZR_REPO_SBU-ZZRSBU
15. Get Final BU (screenshot column: R): If BU from #11 not blank, use it, else use the BU value from #14.
16. Get BU Description ZZR_REPO_SBU-ZZRSBU_MNAME (screenshot column: S), where ZZR_REPO_SBU-ZZRSBU (from #15) = ZZR_REPO_SBU-ZZRSBU

	A	B	C	D
1	Plant	Division	Plant Div ID	Business Area
2	1000	CK	1000CK	3440
3	1000	PB	1000PB	3390
4	1000	PC	1000PC	3390
5	1001	CK	1001CK	3440
6	1001	PA	1001PA	3480
7	1001	PB	1001PB	3390
8	1002	PB	1002PB	3390
9	1003	CK	1003CK	3440
10	1003	CT	1003CT	3440
11	1003	PA	1003PA	3480
12	1003	PB	1003PB	3390
13	1004	CK	1004CK	3440
14	1004	CT	1004CT	3440
15	1004	PB	1004PB	3390
16	1005	B3	1005B3	73N0
17	1005	CT	1005CT	7310
18	1005	I3	1005I3	7360
19	1006	CT	1006CT	7310
20	1007	CA	1007CA	7310
21	1007	CT	1007CT	7310
22	1008	AA	1008AA	7250
23	1008	AC	1008AC	7250
24	1008	CK	1008CK	7310
25	1008	CT	1008CT	7310

A. Get all records from table: T134G:

- Insert Plant Div ID (screenshot column: C): concatenate Plant (screenshot column: A) and Division (screenshot column: B)

Rule to determine GBU from: [Rules - PF1 - Profit center](#)

20260420-Eka: Refer to CR0455 - L2C CNV-3003 Distribution channel logic enhancement: Update this Conversion Specs Distribution Channel logic to follow CNV-3003

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Mapping Table	Transformation Logic
2003-001	WP2/ PF2	MVKE	MATNR	Material	S/4HANA	MVKE	MATNR	Material	MAP_MATNR	Mapping

2003-002	WP2/ PF2	MVKE	VKORG	Sales Organization	S/4HANA	MVKE	VKORG	Sales Organization	MAP_VKORG	Mapping
2003-003	WP2/ PF2	MVKE	VTWEG	Distribution Channel	S/4HANA	MVKE	VTWEG	Distribution Channel	MAP_MTART MAP_MTART-VTWEG	<p>RULE for Distribution Channel - 10 and 20:</p> <p>Refer to CNV-3003 Special Requirements C. Distribution Channel Transformation Fetch S/4 distribution channel for corresponding material and IF S/4 material type maintained in table MAP_MTART-VTWEG, else report for error handling.</p> <p>RULE for Distribution Channel - 30:</p> <p>1. Get S/4 material type as per mapping table: MAP_MTART. 2. Map to distribution channel - 30 Interco IF S/4 material type maintained in table MAP_MTART-VTWEG, else report for error handling.</p>
2003-004	WP2/ PF2	MVKE	LVORM	DF distr. chain lvl	S/4HANA	MVKE	LVORM	DF distr. chain lvl		Copy
2003-005	WP2/ PF2	MVKE	VMSTA	DChain-spec. status	S/4HANA	MVKE	VMSTA	DChain-spec. status	MAP_VMSTA	Mapping
2003-006	WP2/ PF2	MVKE	VMSTD	Valid from	S/4HANA	MVKE	VMSTD	Valid from		Copy
2003-007	WP2/ PF2	MVKE	AUMNG	Minimum order qty	S/4HANA	MVKE	AUMNG	Minimum order qty		Copy
2003-008	WP2/ PF2	MVKE	LFMNG	Minimum Delivery Qty	S/4HANA	MVKE	LFMNG	Minimum Delivery Qty		Copy
2003-009	WP2/ PF2	MVKE	EFMNG	Min. MtO quantity	S/4HANA	MVKE	EFMNG	Min. MtO quantity		Copy
2003-010	WP2/ PF2	MVKE	SCMNG	Delivery unit	S/4HANA	MVKE	SCMNG	Delivery unit		Copy
2003-011	WP2/ PF2	MVKE	SCHME	Unit Of Measure	S/4HANA	MVKE	SCHME	Unit Of Measure	MAP_MEINS	Mapping
2003-012	WP2/ PF2	MVKE	VRKME	Sales Unit	S/4HANA	MVKE	VRKME	Sales Unit	MAP_MEINS	Mapping
2003-013	WP2/ PF2	MVKE	MTPOS	Item Category Group	S/4HANA	MVKE	MTPOS	Item Category Group	MAP_MTPOS	Mapping
2003-014	WP2/ PF2	MVKE	DWERK	Delivering Plant	S/4HANA	MVKE	DWERK	Delivering Plant	MAP_WERKS	Mapping

2003-015	WP2/ PF2	MVKE	PRODH	Product Hierarchy	S/4HANA	MVKE	PRODH	Product Hierarchy	MAP_MTART MAP_PRODH	Rule 1. Get S/4 material type as per mapping table: MAP_MTART. 2. If S/4 material type = ZDIR (Direct materials), get the product hierarchy as per following: PF2: - Get ECC material group (MARA-MATKL) for the material then go to MAP_PRODH to get product hierarchy level 1, product hierarchy level 2, product hierarchy level 3, Material Group 2 (Specialty Polymer), Material Group 3 (Noveware) and Material Group 4 (Technology Solutions) - Concatenate product hierarchy level 1, product hierarchy level 2 and product hierarchy level 3 from mapping table for MVKE-PRODH. IF S/4 product hierarchy not found, report for error handling. - Material group 2 from mapping table for MVKE-MVGR2 - Material group 3 from mapping table for MVKE-MVGR3 - Material group 4 from mapping table for MVKE-MVGR4 WP2: - Get ECC basic material (MARA-WRSKT) for the material then go to MAP_PRODH to get product hierarchy level 1, product hierarchy level 2, product hierarchy level 3, Material Group 2 (Specialty Polymer), Material Group 3 (Noveware) and Material Group 4 (Technology Solutions) - Concatenate product hierarchy level 1, product hierarchy level 2 and product hierarchy level 3 from mapping table for MVKE-PRODH. IF S/4 product hierarchy not found, report for error handling. - Material group 2 from mapping table for MVKE-MVGR2 - Material group 3 from mapping table for MVKE-MVGR3 - Material group 4 from mapping table for MVKE-MVGR4
2003-016	WP2/ PF2	MVKE	KONDM	Material Price Grp	S/4HANA	MVKE	KONDM	Material Price Grp	MAP_KONDM	Mapping
2003-017	WP2/ PF2	MVKE	KTGRM	Acct Assmt Grp Mat.	S/4HANA	MVKE	KTGRM	Acct Assmt Grp Mat.	MAP_KTGRM	Mapping
2003-018	WP2/ PF2	MVKE	MVGR2	Material Group 2	S/4HANA	MVKE	MVGR2	Material Group 2	MAP_MTART MAP_PRODH	Rule Refer to the rule for Product Hierarchy (2003-015) above.
2003-019	WP2/ PF2	MVKE	MVGR3	Material Group 3	S/4HANA	MVKE	MVGR3	Material Group 3	MAP_MTART MAP_PRODH	Rule Refer to the rule for Product Hierarchy (2003-015) above.
2003-020	WP2/ PF2	MVKE	MVGR4	Material Group 4	S/4HANA	MVKE	MVGR4	Material Group 4	MAP_MTART MAP_PRODH	Rule Refer to the rule for Product Hierarchy (2003-015) above.
2003-021	WP2/ PF2	MVKE	RDPRF	Rounding Profile	S/4HANA	MVKE	RDPRF	Rounding Profile	MAP_MTART MAP_RDPRF	Rule 1. Get S/4 material type as per mapping table: MAP_MTART. 2. If S/4 material type = ZDIR (Direct materials); get value from mapping table MAP_RDPRF
2003-022	WP2/ PF2	MVKE	MEGRU	Unit of Measure Group	S/4HANA	MVKE	MEGRU	Unit of Measure Group	MAP_MTART	Rule 1. Get S/4 material type as per mapping table: MAP_MTART. 2. If S/4 material type = ZDIR (Direct materials); copy value from ECC
2003-023	WP2/ PF2	MVKE	VAVME	Variable Sales Unit Not Allowed	S/4HANA	MVKE	VAVME	Variable Sales Unit Not Allowed	MAP_MTART	Rule 1. Get S/4 material type as per mapping table: MAP_MTART. 2. If S/4 material type = ZDIR (Direct materials); copy value from ECC
2003-024	WP2/ PF2	MLAN	MATNR	Material Number	S/4HANA	MLAN	MATNR	Material Number	MAP_MATNR	Mapping

2003-025	WP2/ PF2	MLAN	ALAND	Departure Ctry /Reg.	S/4HANA	MLAN	ALAND	Departure Ctry /Reg.		<p>Rule</p> <ol style="list-style-type: none"> 1. Get all S/4 Plants assigned to the S /4 Sales Organization 2. Get Plant Country (T001W-LAND1) for all Plants from #1 3. IF Plant Country = to existing MLAN-ALAND: Copy 4. IF Plant Country <> to existing MLAN-ALAND: due to new plant assignment in S/4 and data not available in PF2/ WP2, copy the country and default the tax classification (for required TAXM1 - TAXM9) to 1 (taxable) Business to collect the information and update the respective DCT.
WP2/ PF2	MLAN	TAXM1	Tax Classification 1	S/4HANA	MLAN	TAXM1	Tax Classification 1	MAP_TAXKM	Mapping	<p>Mapping</p> <p>If material and country combination not in ECC, default the tax classification (for required TAXM1 - TAXM9) to 1 (taxable).</p>
WP2/ PF2	MLAN	TAXM2	Tax Classification 2	S/4HANA	MLAN	TAXM2	Tax Classification 2	MAP_TAXKM	Mapping	<p>Mapping</p> <p>If material and country combination not in ECC, default the tax classification (for required TAXM1 - TAXM9) to 1 (taxable).</p>
WP2/ PF2	MLAN	TAXM3	Tax Classification 3	S/4HANA	MLAN	TAXM3	Tax Classification 3	MAP_TAXKM	Mapping	<p>Mapping</p> <p>If material and country combination not in ECC, default the tax classification (for required TAXM1 - TAXM9) to 1 (taxable).</p>
WP2/ PF2	MLAN	TAXM4	Tax Classification 4	S/4HANA	MLAN	TAXM4	Tax Classification 4	MAP_TAXKM	Mapping	<p>Mapping</p> <p>If material and country combination not in ECC, default the tax classification (for required TAXM1 - TAXM9) to 1 (taxable).</p>
WP2/ PF2	MLAN	TAXM5	Tax Classification 5	S/4HANA	MLAN	TAXM5	Tax Classification 5	MAP_TAXKM	Mapping	<p>Mapping</p> <p>If material and country combination not in ECC, default the tax classification (for required TAXM1 - TAXM9) to 1 (taxable).</p>
WP2/ PF2	MLAN	TAXM6	Tax Classification 6	S/4HANA	MLAN	TAXM6	Tax Classification 6	MAP_TAXKM	Mapping	<p>Mapping</p> <p>If material and country combination not in ECC, default the tax classification (for required TAXM1 - TAXM9) to 1 (taxable).</p>
WP2/ PF2	MLAN	TAXM7	Tax Classification 7	S/4HANA	MLAN	TAXM7	Tax Classification 7	MAP_TAXKM	Mapping	<p>Mapping</p> <p>If material and country combination not in ECC, default the tax classification (for required TAXM1 - TAXM9) to 1 (taxable).</p>
WP2/ PF2	MLAN	TAXM8	Tax Classification 8	S/4HANA	MLAN	TAXM8	Tax Classification 8	MAP_TAXKM	Mapping	<p>Mapping</p> <p>If material and country combination not in ECC, default the tax classification (for required TAXM1 - TAXM9) to 1 (taxable).</p>
WP2/ PF2	MLAN	TAXM9	Tax Classification 9	S/4HANA	MLAN	TAXM9	Tax Classification 9	MAP_TAXKM	Mapping	<p>Mapping</p> <p>If material and country combination not in ECC, default the tax classification (for required TAXM1 - TAXM9) to 1 (taxable).</p>
WP2/ PF2	STXH	TDOBJECT	Text object	S/4HANA	STXH	TDOBJECT	Text object		Copy	Copy
WP2/ PF2	STXH	TDNAME	Text Name	S/4HANA	STXH	TDNAME	Text Name		Concatenate: 1st 18 digit = Material Number Next 4 digit = Sales Organization Last 2 digit = Distribution Channel	Concatenate: 1st 18 digit = Material Number Next 4 digit = Sales Organization Last 2 digit = Distribution Channel
WP2/ PF2	STXH	TDID	Text ID	S/4HANA	STXH	TDID	Text ID		Copy	Copy
WP2/ PF2	STXH	TDSRAS	Language Key	S/4HANA	STXH	TDSRAS	Language Key		Copy	Copy

WP2/ PF2	Function Module	Long Text	Text Details/ Long Text	S/4HANA			Text Details		Copy Text Details	Copy Text Details
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Transformation Rules FULL DCT

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Mapping Table	Transformation Logic
2003-001	DCT	-	MATNR	Material	S/4HANA	MVKE	MATNR	Material		Direct Mapping DCT should get the material number once CNV-2019 uploaded
2003-002	DCT	-	VKORG	Sales Organization	S/4HANA	MVKE	VKORG	Sales Organization		Direct Mapping
2003-003	DCT	-	VTWEG	Distribution Channel	S/4HANA	MVKE	VTWEG	Distribution Channel		Direct Mapping
2003-004	DCT	-	LVORM	DF distr. chain lvl	S/4HANA	MVKE	LVORM	DF distr. chain lvl		Direct Mapping
2003-005	DCT	-	VMSTA	DChain-spec. status	S/4HANA	MVKE	VMSTA	DChain-spec. status		Direct Mapping
2003-006	DCT	-	VMSTD	Valid from	S/4HANA	MVKE	VMSTD	Valid from		Direct Mapping
2003-007	DCT	-	AUMNG	Minimum order qty	S/4HANA	MVKE	AUMNG	Minimum order qty		Direct Mapping
2003-008	DCT	-	LFMNG	Minimum Delivery Qty	S/4HANA	MVKE	LFMNG	Minimum Delivery Qty		Direct Mapping
2003-009	DCT	-	EFMNG	Min. MtO quantity	S/4HANA	MVKE	EFMNG	Min. MtO quantity		Direct Mapping
2003-010	DCT	-	SCMNG	Delivery unit	S/4HANA	MVKE	SCMNG	Delivery unit		Direct Mapping
2003-011	DCT	-	SCHME	Unit Of Measure	S/4HANA	MVKE	SCHME	Unit Of Measure		Direct Mapping
2003-012	DCT	-	VRKME	Sales Unit	S/4HANA	MVKE	VRKME	Sales Unit		Direct Mapping
2003-013	DCT	-	MTPOS	Item Category Group	S/4HANA	MVKE	MTPOS	Item Category Group		Direct Mapping
2003-014	DCT	-	DWERK	Delivering Plant	S/4HANA	MVKE	DWERK	Delivering Plant		Direct Mapping
2003-015	DCT	-	PRODH	Product Hierarchy	S/4HANA	MVKE	PRODH	Product Hierarchy		Direct Mapping
2003-016	DCT	-	KONDM	Material Price Grp	S/4HANA	MVKE	KONDM	Material Price Grp		Direct Mapping
2003-017	DCT	-	KTGRM	Acct Assmt Grp Mat.	S/4HANA	MVKE	KTGRM	Acct Assmt Grp Mat.		Direct Mapping
2003-018	DCT	-	MVGR2	Material Group 2	S/4HANA	MVKE	MVGR2	Material Group 2		Direct Mapping
2003-019	DCT	-	MVGR3	Material Group 3	S/4HANA	MVKE	MVGR3	Material Group 3		Direct Mapping
2003-020	DCT	-	MVGR4	Material Group 4	S/4HANA	MVKE	MVGR4	Material Group 4		Direct Mapping
2003-021	DCT	-	RDPRF	Rounding Profile	S/4HANA	MVKE	RDPRF	Rounding Profile		Direct Mapping
2003-022	DCT	-	MEGRU	Unit of Measure Group	S/4HANA	MVKE	MEGRU	Unit of Measure Group		Direct Mapping
2003-023	DCT	-	VAVME	Variable Sales Unit Not Allowed	S/4HANA	MVKE	VAVME	Variable Sales Unit Not Allowed		Direct Mapping
2003-024	DCT	-	MATNR	Material Number	S/4HANA	MLAN	MATNR	Material Number		Direct Mapping
2003-025	DCT	-	ALAND	Departure Ctry /Reg.	S/4HANA	MLAN	ALAND	Departure Ctry /Reg.		Direct Mapping
2003-026	DCT	-	TAXM1	Tax Classification 1	S/4HANA	MLAN	TAXM1	Tax Classification 1		Direct Mapping
2003-027	DCT	-	TAXM2	Tax Classification 2	S/4HANA	MLAN	TAXM2	Tax Classification 2		Direct Mapping
2003-028	DCT	-	TAXM3	Tax Classification 3	S/4HANA	MLAN	TAXM3	Tax Classification 3		Direct Mapping
2003-029	DCT	-	TAXM4	Tax Classification 4	S/4HANA	MLAN	TAXM4	Tax Classification 4		Direct Mapping

2003-030	DCT	-	TAXM5	Tax Classification 5	S/4HANA	MLAN	TAXM5	Tax Classification 5		Direct Mapping
2003-031	DCT	-	TAXM6	Tax Classification 6	S/4HANA	MLAN	TAXM6	Tax Classification 6		Direct Mapping
2003-032	DCT	-	TAXM7	Tax Classification 7	S/4HANA	MLAN	TAXM7	Tax Classification 7		Direct Mapping
2003-033	DCT	-	TAXM8	Tax Classification 8	S/4HANA	MLAN	TAXM8	Tax Classification 8		Direct Mapping
2003-034	DCT	-	TAXM9	Tax Classification 9	S/4HANA	MLAN	TAXM9	Tax Classification 9		Direct Mapping
2003-035	-	-	TDOBJECT	Text object	S/4HANA	STXH	TDOBJECT	Text object		Default to "MVKE"
2003-036	-	-	TDNAME	Text Name	S/4HANA	STXH	TDNAME	Text Name		Concatenate: 1st 18 digit = Material Number Next 4 digit = Sales Organization Last 2 digit = Distribution Channel
2003-037	-	-	TDID	Text ID	S/4HANA	STXH	TDID	Text ID		Default to "0001"
2003-038	DCT	-	TDSRAS	Language Key	S/4HANA	STXH	TDSRAS	Language Key		Direct Mapping
2003-039	DCT	-	Long Text	Text Details/ Long Text	S/4HANA			Text Details		Direct Mapping

List of Custom Target Reports for this object is maintained here: [Conversion Specification - Custom Reports Register](#).

Transformation Mapping

Mapping Table Name	Mapping Table Description
MAP_KONDM	ECC (PF2/ WP2) to S/4AHANA Material Price Group Mapping Table
MAP_KTGRM	ECC (PF2/ WP2) to S/4AHANA Material Account Assignment Group Mapping Table
MAP_MATNR	ECC (PF2/ WP2) to S/4AHANA Material No. Mapping Table
MAP_MEGRU	ECC (PF2/ WP2) to S/4AHANA Unit of Measure Group Mapping Table
MAP_MEINS	ECC (PF2/ WP2) to S/4AHANA Unit of Measure Mapping Table
MAP_MTART	ECC (PF2/ WP2) to S/4AHANA Material Type Mapping Table
MAP_MTART-VTWE	ECC (PF2/ WP2) to S/4AHANA Allowed Material Type for Distribution Channel Mapping Table
MAP_MTPOS	ECC (PF2/ WP2) to S/4AHANA Item Category Group Mapping Table
MAP_PROD	ECC (PF2/ WP2) to S/4AHANA Product Hierarchy Mapping Table
MAP_RDPRF	ECC (PF2/ WP2) to S/4AHANA Rounding Profile Mapping Table
MAP_TAXKM	ECC (PF2/ WP2) to S/4AHANA Material Tax Classification Mapping Table
MAP_VKORG	ECC (PF2/ WP2) to S/4AHANA Sales Organization Mapping Table
MAP_VMSTA	ECC (PF2/ WP2) to S/4AHANA Distribution Chain Material Status Mapping Table
MAP_WERKS	ECC (PF2/ WP2) to S/4AHANA Plant Mapping Table

Transformation Dependencies

List the steps that need to occur before transformation can commence

Item #	Step Description	Team Responsible
1	Source Data Integrity - Ensure extracted data is complete, accurate, and consistent. - Validate that data types and formats align with transformation requirements.	Syniti
2	Referential Integrity - Ensure dependent records are transformed together or in advance	Syniti
3	Transformation Logic and Mapping - Define data mapping rules between source and target schemas.	Data Team

4	Performance and Scalability Considerations - Optimize transformation processes for large datasets. - Ensure system resources can handle transformation workloads	Syniti
5	Logging and Error Handling - Maintain detailed logs of transformation activities. - Define error-handling procedures for failed transformations	Syniti

Pre-Load Validation

Project Team

The following pre-load validations will be performed by the Project Team.

Completeness

Task	Action
Compare Data Counts	1. Verify row counts in the source databases. 2. Identify missing or duplicated records.
Validate the mandatory fields	Validate there is value for all the mandatory fields
Validate Primary Keys and Unique Constraints	1. Check for duplicate or missing primary key values, i.e. if there is same sales organization, distribution channel and material number. 2. Ensure unique constraints are maintained.
Test Referential Integrity	Confirm dependent records exist in related tables.

Accuracy

Task	Action
Validate the transformation	Validate the fields which require transformation have the value after transformation instead of the original field value
Check Data Consistency	1. Compare field values across systems 2. Validate data formats and structures

Business

The following pre-load validations will be performed by the Business.

Completeness

Task	Action
Compare Data Counts	1. Verify row counts in the source databases. 2. Identify missing or duplicated records.
Review populated templates for missing or incorrect values	Use checklists to verify completeness and correctness before submission.

Accuracy

Task	Action
Conversion Accuracy	Business Data Owner/s to verify that all the data in the load table/ file is accurate as per endorsed transformation/ mapping rules (and signed-off DCT data).

Load

The load process includes:

1. Execute the automated data load into target system using load tool or product the load file if the load must be done manually
2. Once the data is loaded to the target system, it will be extracted and prepared for Post Load Data Validation

Load Run Sheet

Item #	Step Description	Team Responsible
1	Confirm readiness of final approved data sets for each ECC source system WP2 and PF2	Business / Functional Team
2	Validate transformation rules and mappings in Syniti tool	Data Team (L2C-Data)
3	Generate target-ready load files based on S/4HANA material sales view with sales long text table format	Data Team (Syniti)
4	Review and approve load files before execution	Business / Functional Team
5	Execute the upload program in the S/4HANA system	Data Load Team
6	Monitor load progress and capture load statistics (records loaded, errors, duplicates, etc.)	Data Team (Syniti) / Technical Team
7	Extract loaded data from S/4HANA for post-load validation	Data Team (Syniti)
8	Perform post-load data validation (compare target data with source/ approved files) for all loaded material sales view with sales long text	Data Team (L2C-Data)
9	Log and resolve any data load errors or mismatches identified during validation	Data Team (Syniti and L2C-Data) + Functional Team
10	Obtain business sign-off on successful load and validation	Business Team
11	Archive load logs, error reports, and validation results for audit/compliance	Data Team (L2C-Data) / Data Team (Syniti) / PMO

Load Phase and Dependencies

The Materials – Sales views with sales long text will be loaded in the pre-cutover period.

Before loading, it will have dependency on the configuration and 2019 - Materials-Basic View(required Material Types-ROH/FERT/HALB/SRV/DIEN/ZDIE/Packaging/Spares). The configuration needs to be transported into the respective system first, including the manual configuration such as the number range set up. And 2019 Materials-Basic View(required Material Types-ROH/FERT/HALB/SRV/DIEN/ZDIE/Packaging/Spares) have to be uploaded into the respective system first.

Configuration

Item #	Configuration Item
1	Sales Organization
2	Distribution Channel
3	Plant
4	Unit of Measure
5	Item Category Group
6	Material Status - Sales
7	Product Hierarchy
8	Material Price Group
9	Account Assignment Group - Material
10	Material Group 2
11	Material Group 3
12	Material Group 4

13	Rounding Profile
14	Country
15	Pricing Condition Type for Tax
16	Define Tax Determination Rules
17	Maintain Tax Relevance for Materials

Conversion Objects

Object #	Preceding Object Conversion Approach
2019	Materials - Basic View

Error Handling

Error Type	Error Description	Action Taken
Configuration/ Data Transformation	The value XXX for field XXX doesn't exist	<ol style="list-style-type: none"> 1. Check the mapping/ conversion is done properly in the loading file 2. Validate the target value is configured/ transported in the target system 3. Reach out to functional team to validate the configuration
Configuration	There is mandatory field XXX missing	<ol style="list-style-type: none"> 1. Validate MDS if the fields are set as mandatory 2. Validate if there is value in the pre-loading file 3. Validate if the configuration for the mandatory fields are done properly
Data Error	The Material Master were not defined	Validate the Material Master - Basic View were migrated.

Post-Load Validation

Project Team

The following post-load validations will be performed by the Project Team.

Completeness

Task	Action
Validate Record count	Validate all tables has the same records as the loading file
Perform Source-to-Target Comparisons	<ol style="list-style-type: none"> 1. Validate that migrated data matches source records count. 2. Check for discrepancies in numerical values, text fields, and timestamps.

Accuracy

Task	Action
Execute Sample Queries and Reports	<ol style="list-style-type: none"> 1. Run queries to validate business logic. 2. Generate reports to compare expected vs. actual results
Conduct Post-Migration Reconciliation	Generate reports comparing pre- and post-migration data.
Perform Manual Testing	Pick up a few random sample for each material type.

Business

Post-load validation is a critical step in data migration, ensuring that transferred data is accurate, complete, and functional within the target system.

1. Ensuring Data Integrity

After migration, data must be consistent with its original structure. Post-load validation checks for missing records, incorrect mappings, and formatting errors to prevent discrepancies.

2. Business Continuity

Faulty data can disrupt operations, leading to financial losses and inefficiencies. Validating post-load data ensures that applications function as expected, preventing downtime.

3. Error Detection and Resolution

By validating data post-migration, businesses can detect anomalies early, reducing the cost and effort required for corrections

Completeness

Task	Action
Perform Source-to-Target Comparisons	1. Validate that migrated data matches source records count. 2. Check for discrepancies in numerical values, text fields, and timestamps
Conduct Post-Migration Reconciliation	Go through post-load validation reports comparing pre- and post-migration data.

Accuracy

Task	Action
Perform Manual Testing	Conduct manual spot-checks for additional assurance.

Key Assumptions

- Material - Sales view with sales long text Master Data Standard is up to date as on the date of documenting this conversion approach and data load.
- Materials - Sales views with sales long text is in scope based on data design and any exception requested by business.
- There will be 3 SAP instances, one for ROW and one for China ~~and one for CUI only.~~
- ~~For S/4HANA CUI instance, the migration activity will be handled by US based data consultant.~~

See also

Change log

Version	Published	Changed By	Comment
CURRENT (v. 31)	Apr 29, 2026 13:44	LIU-ext, Ekawati	
v. 30	Apr 28, 2026 08:36	LIU-ext, Ekawati	
v. 29	Apr 23, 2026 10:31	LIU-ext, Ekawati	
v. 28	Apr 20, 2026 08:15	LIU-ext, Ekawati	
v. 27	Feb 27, 2026 10:31	LIU-ext, Ekawati	
v. 26	Feb 27, 2026 09:42	LIU-ext, Ekawati	
v. 25	Jan 16, 2026 16:33	LIU-ext, Ekawati	
v. 24	Jan 06, 2026 12:51	LIU-ext, Ekawati	
v. 23	Dec 17, 2025 11:03	LIU-ext, Ekawati	

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Workflow history

Title	Last Updated By	Updated	Status
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There are no pages at the moment.
